Developing J2EE Applications with Oracle JDeveloper

Session 605

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Enterprise IT

Developing J2EE Applications With Oracle JDeveloper

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http://developer.apple.com/wwdc2005/

Oracle JDeveloper 10gOverview

- Complete and Integrated
  - Full development lifecycle
  - One tool for Java, Web Services, XML, DB and more
- Standard and Extensible
  - Support industry standards
  - Integrate Open Source Utilities
  - Open Extension API (JSR 198)
- Easy to Use and Productive
  - Improved coding productivity
  - Visual and declarative development
  - Oracle Application Development Framework (Oracle ADF)

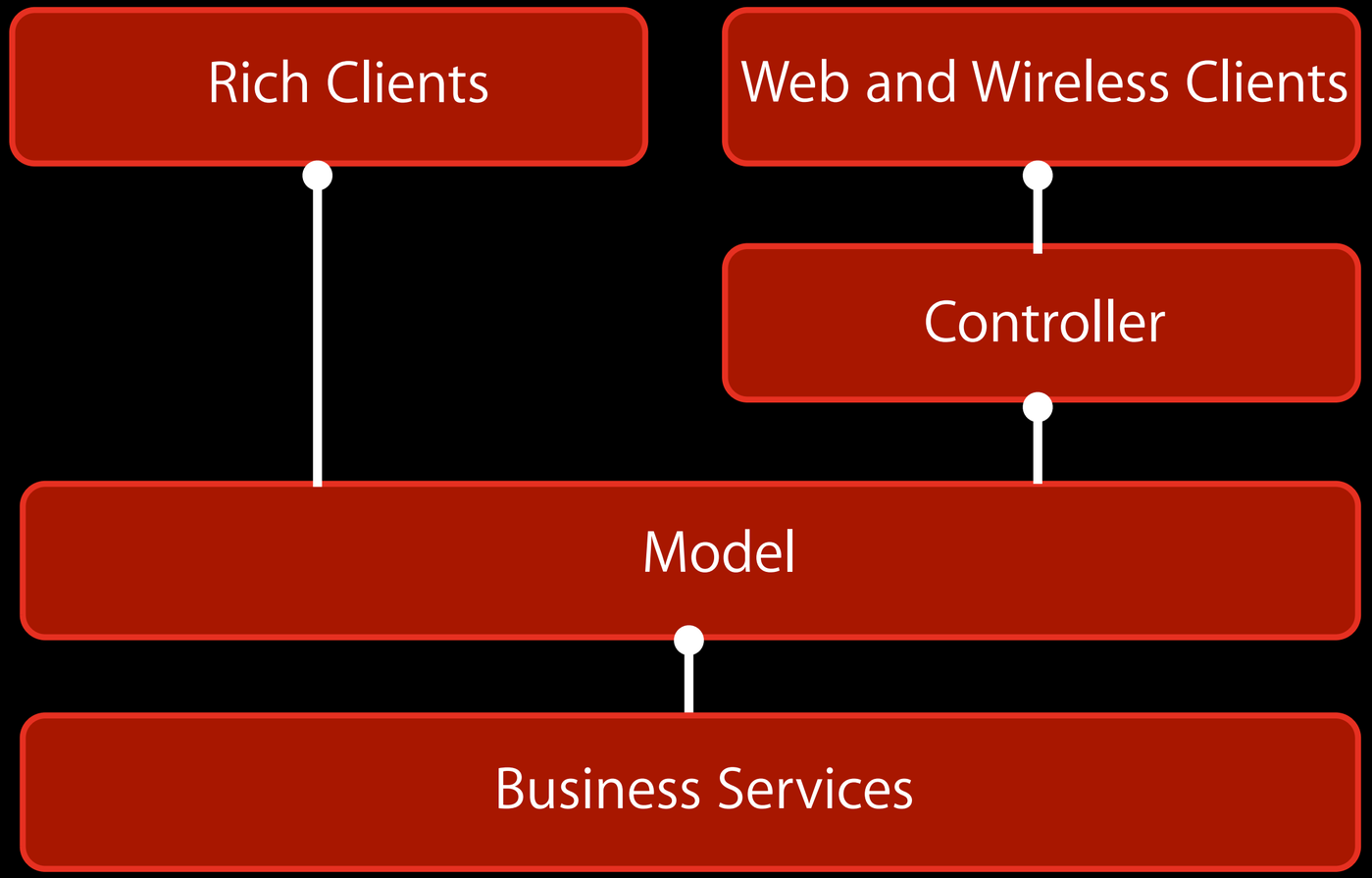
ADF

Simplifying J2EE Development

- Provide Solution for Infrastructure Needs
  - O/R, Caching, UI Components etc…
- Provide Productive Development Experience
  - Make it Easy to Use
- J2EE Compliance and Portability
  - Work with any J2EE Server
- Support Different Development Approaches
  - Modeling, Visual Development, Coding
- White Box Approach
  - Code Always Accessible

ADF

MVC Architecture



What We'll Do Today

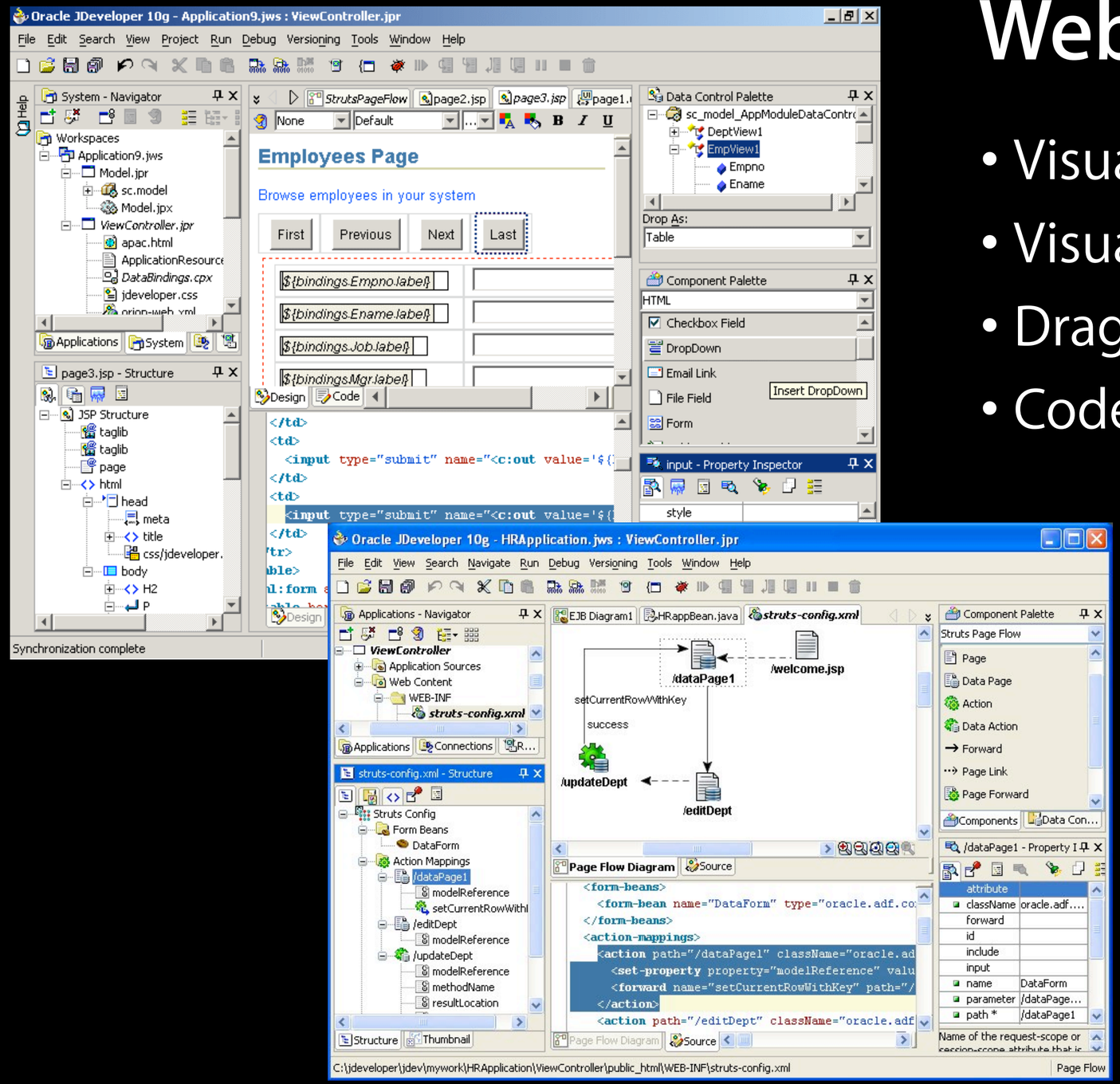
- Create an Application to Manage Employees
- Create Java Classes to Access DB—TopLink
- Create JSP interface to Access Classes
- Create Struts Page Flow
- Create an Application to Invoke WS

TopLink—O/R and Persistence

- Map Java Objects to Relational Tables
  - Java from Tables
  - Meet-in-the-Middle
- Manage Persistence
  - Transaction, Locking, CRUD
- Advance Caching and Tuning Option
- Non-Intrusive Solution
- Flexible Deployment

Web Interfaces

- Visual JSP/HTML editor
- Visual Struts Page Flow
- Drag and Drop Data Binding
- Code and Visual in Synch



Get the Software

- http://www.oracle.com/technology/products/jdev
- Download Oracle JDeveloper 10.1.2 production for Mac OS/X for today's hands-on
- Check out JDeveloper 10.1.3 Preview to see the new features
- You can download the Oracle DB from
  - http://otn.oracle.com/macos

Oracle JDeveloper Demo

http://developer.apple.com/wwdc2005/

Follow the Hands-on

- If you missed something or you want to go deeper, follow the step-by-step ADF Workshop (TopLink) available from the Jdeveloper home page:
- http://www.oracle.com/technology/products/jdev

Your Next Step

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